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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/706,104	11/12/2003	Douglas Craig Scott	9118M 5134			
27752	27752 7590 05/05/2006			EXAMINER		
	CTER & GAMBLE COM	GEMBEH, SHIRLEY V				
	ΓUAL PROPERTY DIVISI ILL TECHNICAL CENTE	ART UNIT	PAPER NUMBER			
6110 CENTI	ER HILL AVENUE	1614				
CINCINNA	TI, OH 45224	DATE MAILED: 05/05/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Application	on No.	Applicant(s)				
		10/706,10)4	SCOTT ET AL.				
		Examiner		Art Unit				
		Shirley V.	Gembeh	1614				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) 又	1) Responsive to communication(s) filed on 14 February 2006.							
•	This action is FINAL . 2b) This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
•	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4)⊠	⊠ Claim(s) <u>1-35</u> is/are pending in the application.							
	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	Claim(s) is/are allowed.							
6)⊠	Claim(s) <u>1-35</u>							
is/are rej	ected.							
7)	Claim(s) is/are objected to.							
8)[Claim(s) are subject to restriction and/or election requirement.							
Application Papers								
9) The specification is objected to by the Examiner.								
10)[10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority (under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachmen	it(e)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
2) Notic	e of Draftsperson's Patent Drawing Review (PTO-9		Paper No(s)/Mail Da	Paper No(s)/Mail Date				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:								

DETAILED ACTION

Response to remarks

The response filed February 14, 2006 presents remarks and arguments to the office action mailed November 18, 2005. Applicants' request for reconsideration of the rejection of claims in the last office action has been considered.

Status of claims

Claims 1, 18, 28, 32 and 34 have been amended and claims 1-35 are pending.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claim Rejections - 35 USC § 112

Examiner notes an error in the claim rejection remarks made on page 9. there was no 35 USC 112-first paragraph rejection made.

Applicant's arguments, see page 6 of the remarks, filed February 14, 2005, with respect to USC-112-second have been fully considered and are persuasive. The rejection of has been withdrawn because, the term has been removed from the claims, and the rejection with regards to the term "particulate retentive agent" is also withdrawn base on Applicants argument.

New Claim Rejections - 35 USC § 112

Claims 1-2, 4-5, 13, 19-21 and 29-30 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The term "from about" is not defined by the claim, the specification does not provide a standard for ascertaining the

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requisite degree, one of ordinary skill in the art would not be reasonably apprised of the scope of the invention, because one of skill will not be able to determine which term is in control.

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Claim 28 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The "less than about" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, one of ordinary skill in the art would not be reasonably apprised of the scope of the invention, because one of skill will not be able to determine which term is in control. Less than about is interpreted to be less than the amount given and about is interpreted to be any numerical around the range given for example less than about 65 % in claim 28 can be anywhere from 0-65 and 65-70.

Claims 28 is also rejected as indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The "for at least about" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, one of ordinary skill in the art would not be reasonably apprised of the scope of the invention, because one of skill will not be able to determine which term is in control. For at least about can be interpreted to be ≥, for example for atleast 2 mins is interpreted to be from 1 to 2 and from 2-infinite as in claim 28.

Double Patenting

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Applicant's arguments, filed February 14, 2006 (see pages 1-2), with respect to the double-patenting rejection have been fully considered and are persuasive. The rejection has been withdrawn because a terminal disclaimer was filed and approved.

Maintained Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, 4, 6-10, 12-16, 30,32 and 34 are rejected under 35 U.S.C. 102 (a) and (e) as being anticipated by Lawlor US 6,706,256 B2.

Lawlor discloses current claims1, 4 and 6 hydrogenated starch (retentive agent) 10% at col. 20 line 66, wherein the composition is non-cariogenic at col. 20 line 43, a chewable solid unit at col. 15 line 46+ where it is referred to as hard and low boiled candy, wherein the composition is less than 65% at col. 15 lines 9-10, wherein the retentive agent is hydroxymethyl cellulose at col. 21 line 51 as in current claims 7 and 8, anticalculus agent at col. 10 line 31(current claim 9), fluoride ions current claims 10 and 12 at col. 11 line 48, the fluoride level is about 200-300 ppm (current claim 13) at col. 11 line 60 +, where the solid unit is a compressed tablet at col. 26 line 62 (current claim 14),

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wherein the oral carrier is a flavor (current claim 15 at col. 23 line 20+, water soluble buffers as sodium bicarbonate at col. 21 line 62.

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 102(e) might be overcome either by a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not the invention "by another," or by an appropriate showing under 37 CFR 1.131.

Applicant's arguments have been fully considered but they are not persuasive (see below):

Applicant traverses: That the Lawlor reference does not teach having a retention index of from 1 to about 4 and that the retention and that the confectionary composition during its normal use will not result in the retention of the composition on the tooth surface (see page 7 of remarks).

In response, the Lawlor reference contains all the limitations of the current claimed subject matter, and clearly teaches the retentive agent present in a percentage that is within the range of the claimed subject matter. Absent factual evidence showing that when a composition is within the oral cavity (mouth) sucked or chewed upon will not leave the composition on the surface of the tooth is not valid. Even tea leaves a residue on the surface of the tooth. Products of identical chemical composition cannot have mutually exclusive properties. A chemical composition and its properties are inseparable. Therefore, if the prior art teaches the identical chemical structure, the

applicant discloses and/or claims are necessarily present. In re Spada, 911 F.2d 705, 709, 15 USPQ2d 1655, 1658 (Fed. Cir. 1990). Further, a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim. Contrary to applicants' remarks, the argument have not been supported and the rejection is hereby maintained and repeated above.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

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Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lawlor US 6,706,256 B2 in view of Aberg et al., WO 88/10110.

Lawlor teaches current claims1, 4 and 6 hydrogenated starch (retentive agent) 10% at col. 20 line 66, wherein the composition is non-cariogenic at col. 20 line 43, a chewable solid unit at col. 15 line 46+ where it is referred to as hard and low boiled candy, wherein the composition is less than 65% at col. 15 lines 9-10, wherein the retentive agent is hydroxymethyl cellulose at col. 21 line 51 as in current claims 7 and 8, anticalculus agent at col. 10 line 31(current claim 9), fluoride ions current claims 10 and 12 at col. 11 line 48, the fluoride level is about 200-300 ppm (current claim 13) at col. 11 line 60 +, where the solid unit is a compressed tablet at col. 26 line 62 (current claim 14), wherein the oral carrier is a flavor (current claim 15 at col. 23 line 20+, water soluble buffers as sodium bicarbonate at col. 21 line 62, pH 3-10 at co. 22 lines 5+ current claim 28-29.

Aberg et al., teach a non effervescent paste taught as (page 5) as in current claim 17

Preferably we provide a filling and polishing composition which comprises greater than about 50% by weight of the tablet and a carbon dioxide producing composition comprising less than about 25% by weight of the tablet to prevent excess foaming which would excessively thin the paste. The

Although Aberg did not directly teach non-effervescent from the above, one of ordinary skill in the art would have known to implement the Abergs' teachings for a non-effervescent effect in a tablet because the tablet is chewable and not dissolved in water

prior to use. It would have been obvious for deposit of the active agent on the tooth surface when the tablet is chewed upon.

Therefore, one of ordinary skill in the art would have known to combine the teachings of the above cited references to make and used the claimed invention at the time it was made.

One of ordinary skill in the art would have combined the teachings of Lawlor with that of Aberg to make an oral dentrifice tablet that is non-effervescent, chewable, and one that leaves the substantial amount of the composition on the tooth surface. The active agent for the composition of a tooth tablet is well known within the art. One of ordinary skill in the art would know how to prepare a composition of this nature as the techniques are well known to one of ordinary skill in the art.

One of ordinary skill in the art would have been motivated to combine the teachings of the above cited prior art and expect a successful result in doing so, because the aim of preventive dentistry has been to improve the efficacy of oral hygiene and overall health in mammals.

With regard to the kit Claims:

Lawlor teaches current claims18-26 hydrogenated starch (retentive agent) 10% at col. 20 line 66, wherein the composition is non-cariogenic at col. 20 line 43, a chewable solid unit at col. 15 line 46+ where it is referred to as hard and low boiled candy, wherein the composition is less than 65% at col. 15 lines 9-10, wherein the retentive agent is hydroxymethyl cellulose at col. 21 line 51 as in current claims 7 and 8, anticalculus agent at col. 10 line 31(current claim 9), fluoride ions current claims 10 and

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12 at col. 11 line 48, the fluoride level is about 200-300 ppm (current claim 13) at col. 11 line 60 +, where the solid unit is a compressed tablet at col. 26 line 62 (current claim 14), wherein the oral carrier is a flavor (current claim 15 at col. 23 line 20+, water soluble buffers as sodium bicarbonate at col. 21 line 62.

Aberg et al., teach a non effervescent paste (page 5) as in current claim 27

Preferably we provide a filling and polishing composition which comprises greater than about 50% by weight of the tablet and a carbon dioxide producing composition comprising less than about 25% by weight of the tablet to prevent excess foaming which would excessively thin the paste. The

One of ordinary skill in the art would have combined the above prior art and made a kit that contains the retentive agent-hydrogenated starch, a buffer, in a solid dosage form as a compressed tablet composition at the time the claimed invention was made, in a kit, as this preparation contains the above mention composition/ formulation with packaging information and instructions on how to use/administer.

Therefore, the skilled artisan would have been motivated to combine the above cited reference form a kit and expect a successful result in doing so.

Further, one of skill would have been motivated to combine the above teachings because the drugs used have previously been used for the same function claimed by applicant.

Claims 28-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lawlor, US 6,706,256 B2 in view of Aberg et al., WO 88/10110.

Lawlor teaches current claims 28, 1, 4 and 6 hydrogenated starch (retentive agent) 10% at col. 20 line 66, wherein the composition is non-cariogenic at col. 20 line 43, a chewable solid unit at col. 15 line 46+ where it is referred to as hard and low

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boiled candy, wherein the composition is less than 65% at col. 15 lines 9-10, wherein the retentive agent is hydroxymethyl cellulose at col. 21 line 51 as in current claims 7 and 8, anticalculus agent at col. 10 line 31(current claim 9), fluoride ions current claims 10 and 12 at col. 11 line 48, the fluoride level is about 200-300 ppm (current claim 13) at col. 11 line 60 +, where the solid unit is a compressed tablet at col. 26 line 62 (current claim 14), wherein the oral carrier is a flavor (current claim 15 at col. 23 line 20+, water soluble buffers as sodium bicarbonate at col. 21 line 62, pH 3-10 at co. 22 lines 5+ current claim 28-29.

Aberg et al., teach a non effervescent paste as (page 5) as in current claim 17

Preferably we provide a filling and polishing composition which comprises greater than about 50% by weight of the tablet and a carbon dioxide producing composition comprising less than about 25% by weight of the tablet to prevent excess foaming which would excessively thin the paste. The

Although Aberg did not directly teach non-effervescent tablet from the above one of ordinary skill in the art would have known to implement the teachings for a non-effervescent effect in a tablet because the tablet is chewable and not dissolved in water prior to use and it would be obvious for deposit of the active agent on the tooth surface.

Therefore one of ordinary skill in the art would have known to combine the teachings of the above cited reference to make and used the claimed invention at the time it was made because the invention is known to the ordinary skill in the art.

Thus, the claimed invention was prima facia obvious to make and use at the time it was made.

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One of ordinary skill in the art would have combined the teachings of Lawlor with that of Aberg to make an oral dentrifice tablet that is non-effervescent, pH in the range 7.5-12 of chewable, leave a substantial amount of the composition on the tooth surface because the active agent for a composition of a tooth tablet are well known within the art. One of ordinary skill in the art would know how to prepare a composition of this nature as the techniques are well known to the one of ordinary skill in the art.

One of ordinary skill in the art would have been motivated to combine the teachings of the above cited prior art and expect a successful result in doing so, because the aim of preventive dentistry has been to improve the efficacy of oral hygiene and overall health in mammals.

Applicant's arguments have been fully considered but they are not persuasive.

For the reasons discussed below:

Applicant traverses that:

The teachings of Lawlor would not have resulted in the claimed subject matter and that Aberg does not teach a non-effervescent paste and that the combination of Lawlor, with that of Blue, Aberg and Witt would not have resulted in a non-effervescent, chewable, leave a substantial amount of the composition on the tooth surface. (see pages 8-11) of Applicants remarks.

Aberg, (see abstract) teaches a tablet that forms a paste. These arguments are traversed, simple because applicant has not proven or shown how theses retention on the tooth surface where measured and what or how the retention index 1-4 was determined. Absent factual evidence the above rejection are maintained for the same

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reasons stated above. The argument have not been substantiated, for example pages 6-7 of the specification shows a table that indicates the retention was enough to be visible. That is clearly not a substantial incredible assessment of the retentive index.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

No claim is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shirley V. Gembeh whose telephone number is 571-272-8504. The examiner can normally be reached on 8:30 -5:00, Monday- Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Low can be reached on 571-272-0951. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SVG 4/18/06 Chris hap her Solos Christopher S. F. Low Supervisory patent examiner Technology center 1600